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Sheet 1 of 1

FORM PTO-1592	Atty. Docket No.: C382.12-0149	Serial No.: 10/823,140
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Kevin I. Bertness	
	Filing Date	Group Art:
	April 13, 2004	2632 2631

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	AA	5,369,364	11/1994	Renirie et al.	324	430
I	AB	6,016,047	1/2000	Notten et al.	320	137
I	AC	6,215,275	4/2001	Bean	320	106
AL	AD	6,449,726	9/2002	Smith	713	340

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	AE	JP10232273	9/02/98	Japan			X (abstract)
I	AF	JP04095788	3/27/92	Japan			X (abstract)
I	AG	2 387 235 A	10/2003	Great Britain			X
I	AH	WO 00/16083	3/2000	WIPO			X
I	AI	WO 00/16614 A1	3/2001	WIPO			X
AL	AJ	WO 00/16615 A1	3/2001	WIPO			X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	AK	"Dynamic modelling of lead/acid batteries using impedance spectroscopy for parameter identification", Journal of Power Sources, pp. 69-84, (1997)
I	AL	"A review of impedance measurements for determination of the state-of-charge or state-of-health of secondary batteries", Journal of Power Sources, pp. 59-69, (1998)
I	AM	"Improved Impedance Spectroscopy Technique For Status Determination of Production Li/SO <sub>2</sub> Batteries" Terrill Atwater et al., pp.10-113, (1992)
I	AN	"Search Report Under Section 17" for Great Britain Application No. GB0421447.4. (1/28/05)
I	AO	"Results of Discrete Frequency Immittance Spectroscopy (DFIS) Measurements of Lead Acid Batteries", by K.S. Champlin et al., <u>Proceedings of 23<sup>rd</sup> International Teleco Conference (INTELEC)</u> , published October 2001, IEE, pgs. 433-440.
AL	AP	"Examination Report" from the U.K. Patent Office for U.K. App. No. 0417678.0.

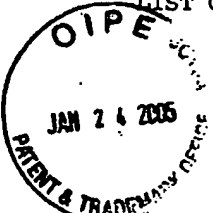
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9/19/05

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 <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p>		Applicant:	
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		April 13, 2004	<del>2632</del> 2636

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	AA	6,777,945	8/2004	Roberts et al.	324	426
	AB	2003/0194672	10/2003	Roberts et al.	431	196
AL	AC	2003/0036909	02/2003	Kato, Yoshinaga	704	275
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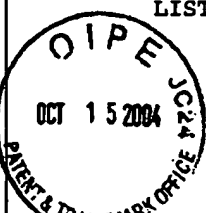
## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL						
AM						
AN						

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER:	Awh la
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	AA	RE37,677	04-2002	Irie	315	83
	AB	6,091,238	07-2000	McDermott	324	207.2
	AC	5,780,974	07-1998	Pabla et al.	315	82
	AD	5,912,534	06-1999	Benedict	315	82
	AE	5,614,788	03-1997	Mullins et al.	315	82
	AF	5,661,368	08-1997	Deol et al.	315	82
AL	AG	5,081,565	01-1992	Nabha et al.	362	465
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS


	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	AL	WO 97/44652	11/27/97	WIPO		
	AM					
	AN					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	AO	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US02/29461.
	AP	
	AQ	

EXAMINER: Anh La DATE CONSIDERED: 9/19/05

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	<b>Applicant:</b>  	
	Kevin I. Bertness	
	<b>Filing Date</b> April 13, 2004	<b>Group Art:</b> 2632-2638

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	AA	2002/0030495	3/2002	Kechmire	324	427
	AB	4,352,067	9/1982	Ottone	324	434
	AC	4,360,780	11/1982	Skutch, Jr.	324	437
	AD	4,723,656	2/1988	Kiernan et al.	206	705
	AE	4,874,679	10/1989	Miyagawa	429	91
	AF	5,432,025	7/1995	Cox	429	65
AL	AG	5,707,015	1/1998	Guthrie	241	120
	AH					
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<p style="text-align: center;">LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p> 	Applicant:	
	Kevin I. Bertness	
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	April 13, 2004	2632 2636

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	AA	2,514,745	7/11/50	Dalzell	171	95
	AB	3,593,099	7/13/71	Scholl	320	13
	AC	3,607,673	9/21/71	Seyl	204	1
	AD	3,676,770	7/11/72	Sharaf et al.	324	29.5
	AE	3,729,989	5/1/73	Little	73	133
	AF	3,753,094	8/14/73	Furuishi et al.	324	29.5
	AG	3,808,522	4/30/74	Sharaf	324	29.5
	AH	3,811,089	5/14/74	Strezelewicz	324	170
	AI	3,873,911	3/25/75	Champlin	324	29.5
	AJ	3,886,443	5/27/75	Miyakawa et al.	324	29.5
	AK	3,889,248	6/10/75	Ritter	340	249
AL	AL	3,906,329	9/16/75	Bader	320	44

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	AM	59-17892	1/30/84	Japan			Abstract Only
	AN	59-17893	1/30/84	Japan			Abstract Only
AL	AO	59-17894	1/30/84	Japan			Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	AP	"Electrochemical Impedance Spectroscopy in Battery Development and Testing", <u>Batteries International</u> , April 1997, pgs. 59 and 62-63.
	AQ	"Battery Impedance", by E. Willihnganz et al., <u>Electrical Engineering</u> , September 1959, pgs. 922-925.
	AR	"Determining The End of Battery Life", by S. DeBardelaben, <u>IEEE</u> , 1986, pgs. 365-368.
AL	AS	"A Look at the Impedance of a Cell", by S. Debardelaben, <u>IEEE</u> , 1988, pgs. 394-397.

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	AT	3,909,708	9/30/75	Champlin	324	29.5
	AU	3,936,744	2/3/76	Perlmutter	324	158
	AV	3,946,299	3/23/76	Christianson et al.	320	43
	AW	3,947,757	3/30/76	Grube et al.	324	28
	AX	3,969,667	7/13/76	McWilliams	324	29.5
	AY	3,979,664	9/7/76	Harris	324	17
	AZ	3,984,762	10/5/76	Dowgiallo, Jr.	324	29.5
	BA	3,984,768	10/5/76	Staples	324	62
	BB	4,008,619	2/22/77	Alcaide et al.	73	398
	BC	4,053,824	10/11/77	Dupuis et al.	324	29.5
	BD	4,070,624	1/24/78	Taylor	327	158
AL	BE	4,086,531	4/25/78	Bernier	324	158

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	BF	60225078	11/9/85	Japan		Abstract Only
	BG	04372536	12/25/92	Japan		Abstract Only
AL	BH	04131779	5/6/92	Japan		Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	BI	"The Impedance of Electrical Storage Cells", by N.A. Hampson et al., <u>Journal of Applied Electrochemistry</u> , 1980, pgs. 3-11.
	BJ	"A Package for Impedance/Admittance Data Analysis", by B. Boukamp, <u>Solid State Ionics</u> , 1986, pgs. 136-140.
AL	BK	"Precision of Impedance Spectroscopy Estimates of Bulk, Reaction Rate, and Diffusion Parameters", by J. Macdonald et al., <u>J. Electroanal. Chem.</u> , 1991, pgs. 1-11.

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	BL	4,112,351	9/5/78	Back et al.	324	16
	BM	4,114,083	9/12/78	Benham et al.	320	39
	BN	4,126,874	11/21/78	Suzuki et al.	354	60
	BO	4,178,546	12/11/79	Hulls et al.	324	158
	BP	4,193,025	3/11/80	Frailing et al.	324	427
	BQ	4,207,611	6/10/80	Gordon	364	580
	BR	4,315,204	2/9/82	Sievers et al.	322	28
	BS	4,316,185	2/16/82	Watrous et al.	340	636
	BT	4,322,685	3/30/82	Frailing et al.	324	429
	BU	4,363,407	12/14/82	Barkler et al.	209	3.3
	BV	4,369,407	1/18/83	Korbell	324	416
AL	BW	4,412,169	10/25/83	Dell'Orto	320	64

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	BX	03282276	12/12/91	Japan	C		Abstract Only
	BY	03274479	12/5/91	Japan			Abstract Only
	BZ	5216550	8/27/93	Japan			Abstract Only
AL	CA	59017894	1/30/84	Japan			Abstract Only

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	CB	"Internal Resistance: Harbinger of Capacity Loss in Starved Electrolyte Sealed Lead Acid Batteries, by Vaccaro, F.J. et al., <u>AT&amp;T Bell Laboratories</u> , 1987 IEEE, Ch. 2477, pp. 128,131.
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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	CC	4,390,828	6/28/83	Converse et al.	320	32
	CD	4,392,101	7/5/83	Saar et al.	320	20
	CE	4,396,880	8/2/83	Windebank	320	21
	CF	4,408,157	10/4/83	Beaubien	324	62
	CG	4,423,378	12/27/83	Marino et al.	324	427
	CH	4,423,379	12/27/83	Jacobs et al.	324	429
	CI	4,424,491	1/3/84	Bobbett et al.	324	433
	CJ	4,459,548	7/10/84	Lentz et al.	324	158
	CK	4,514,694	4/30/85	Finger	324	429
	CL	4,520,353	5/28/85	McAuliffe	340	636
	CM	4,667,279	5/19/87	Maier	363	46
	CN	4,678,998	7/7/87	Muramatsu	324	427
	CO	4,679,000	7/7/87	Clark	324	428
AL	CP	4,697,134	9/29/87	Burkum et al.	320	48

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	CQ	EP 0 772 056 A1	5/7/97	EPO		X
	CR	EP 0 637 754 A1	2/8/95	EPO		X
AL	CS	2 088 159 A	6/3/82	Great Britain		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	CT	IEEE Recommended Practice For Maintenance, Testings, and Replacement of Large Lead Storage Batteries for Generating Stations and Substations, The Institute of Electrical and Electronics Engineers, Inc., ANSI/IEEE Std. 450-1987, 3/9/1987, pp. 7-15.
AL	CU	"Field and Laboratory Studies to Assess the State of Health of Valve-Regulated Lead Acid Batteries: Part I Conductance/Capacity Correlation Studies", by D. Feder et al., IEEE, August 1992, pgs. 218-233.

EXAMINER: A. Law

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	CV	4,707,795	11/17/87	Alber et al.	364	550
	CW	4,709,202	11/24/87	Koenck et al.	320	43
	CX	4,710,861	12/1/87	Kanner	363	46
	CY	4,719,428	1/12/88	Liebermann	324	436
	CZ	4,743,855	5/10/88	Randin et al.	324	430
	DA	4,816,768	3/28/89	Champlin	324	428
	DB	4,820,966	4/11/89	Fridman	320	32
	DC	4,825,170	4/25/89	Champlin	324	436
	DD	4,849,700	7/18/89	Morioka et al.	324	427
	DE	4,881,038	11/14/89	Champlin	324	426
	DF	4,912,416	3/27/90	Champlin	324	430
	DG	4,929,931	5/29/90	McCuen	340	636
	DH	4,931,738	6/5/90	MacIntyre et al.	324	435
	DI	4,947,124	8/7/90	Hauser	324	430
	DJ	4,956,597	9/11/90	Heavey et al.	320	14
AL	DK	4,968,941	11/6/90	Rogers	324	428

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	DL	WO 93/22666	11/11/93	WIPO		X
AL	DM	WO 98/58270	12/23/98	WIPO		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	DN	"Battery Impedance", by E. Willihnganz et al., <u>Electrical Engineering</u> , September 1959, pgs. 922-925.				
AL	DO	"JIS Japanese Industrial Standard-Lead Acid Batteries for Automobiles", <u>Japanese Standards Association UDC</u> , 621.355.2:629.113.006, Nov. 1995.				

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A. La

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
<b>AL</b>	DP	5,004,979	4/2/91	Marino et al.	324	160
	DQ	5,032,825	7/16/91	Xuznicki	340	636
	DR	5,047,722	9/10/91	Wurst et al.	324	430
	DS	5,087,881	2/11/92	Peacock	324	378
	DT	5,126,675	6/30/92	Yang	324	435
	DU	5,140,269	8/18/92	Champlin	324	433
	DV	5,144,248	9/1/92	Alexandres et al.	324	428
	DW	5,170,124	12/8/92	Blair et al.	324	434
	DX	5,204,611	4/20/93	Nor et al.	320	21
	DY	5,214,370	5/25/93	Harm et al.	320	35
	DZ	5,214,385	5/25/93	Gabriel et al.	324	434
	EA	5,241,275	8/31/93	Fang	324	430
	EB	5,254,952	10/19/93	Salley et al.	324	429
	EC	5,281,919	1/25/94	Palanisamy	324	427
	ED	5,281,920	1/25/94	Wurst	324	430
	EE	5,295,078	3/15/94	Stich et al.	364	483
	EF	5,298,797	3/29/94	Redl	307	246
	EG	5,300,874	4/5/94	Shimamoto et al.	320	15
<b>AL</b>	EH	5,302,902	4/12/94	Groehl	324	434

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EJ	
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EXAMINER:

**A. Lee**

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<i>AL</i>	EK	5,331,268	7/19/94	Patino et al.	320	20
	EL	5,336,993	8/9/94	Thomas et al.	324	158.1
	EM	5,352,968	10/4/94	Reni et al.	320	35
	EN	5,343,380	8/30/94	Champlin	363	46
	EO	5,365,160	11/15/94	Leppo et al.	320	22
	EP	5,365,453	11/15/94	Startup et al.	364	481
	EQ	5,381,096	1/10/95	Hirzel	324	427
	ER	5,426,371	6/20/95	Salley et al.	324	429
	ES	5,432,426	7/11/95	Yoshida	320	20
	ET	5,434,495	7/18/95	Toko	320	44
	EU	5,442,274	8/15/95	Tamai	320	23
	EV	5,457,377	10/10/95	Jonsson	320	5
	EW	5,449,996	9/12/95	Matsumoto et al.	320	20
	EX	5,449,997	9/12/95	Gilmore et al.	320	39
	EY	5,485,090	1/16/96	Stephens	324	433
	EZ	5,519,383	5/21/96	De La Rosa	340	636
	FA	5,528,148	6/18/96	Rogers	324	426
	FB	5,550,485	8/27/96	Falk	324	772
<i>AL</i>	FC	5,561,380	10/1/96	Sway-Tin et al.	324	509

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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AL	FF	5,562,501	10/8/96	Kinoshita et al.	439	852
	FG	5,572,136	11/5/96	Champlin	324	426
	FH	5,574,355	11/12/96	McShane et al.	320	39
	FI	5,585,728	12/17/96	Champlin	324	427
	FJ	5,592,093	1/7/97	Klingbiel	324	426
	FK	5,596,260	1/21/97	Moravec et al.	320	30
	FL	5,598,098	1/28/97	Champlin	324	430
	FM	5,602,462	2/11/97	Stich et al.	323	258
	FN	5,606,242	2/25/97	Hull et al.	320	48
	FO	5,621,298	4/15/97	Harvey	320	5
	FP	5,642,031	6/24/97	Brotto	320	21
	FQ	5,650,937	7/22/97	Bounaga	364	483
	FR	5,652,501	7/29/97	McClure et al.	320	17
	FS	5,675,234	10/7/97	Greene	320	15
	FT	5,677,077	10/14/97	Faulk	429	90
	FU	5,699,050	12/16/97	Kanazawa	340	636
	FV	5,701,089	12/23/97	Perkins	327	772
	FW	5,717,336	2/10/98	Basell et al.	324	430
AL	FX	5,757,192	5/26/98	McShane et al.	324	427

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
FY						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

FZ	
EXAMINER: A. La	DATE CONSIDERED: 1/19/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	Atty. Docket No.: C382.12-0149	Serial No.: 10/823,140
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Kevin I. Bertness	
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	GA	5,773,978	6/30/98	Becker	324	430
	GB	5,789,899	8/4/98	van Phuoc et al.	320	30
	GC	5,793,359	8/11/98	Ushikubo	345	169
	GD	5,821,756	10/13/98	McShane et al.	324	430
	GE	5,831,435	11/3/98	Troy	324	426
	GF	5,872,443	2/16/99	Williamson	320	21
	GG	5,914,605	6/22/99	Bertness	324	430
	GH	5,945,829	8/31/99	Bertness	324	430
	GI	3,356,936	12/5/67	Smith	324	29.5
	GJ	5,488,300	1/30/96	Jamieson	324	432
	GK	6,002,238	12/14/99	Champlin	320	134
	GL	6,037,777	3/14/00	Champlin	324	430
	GM	6,051,976	4/18/00	Bertness	324	426
	GN	6,081,098	6/27/00	Bertness et al.	320	134
	GO	6,091,245	7/18/00	Bertness	324	426
	GP	6,104,167	8/15/00	Bertness et al.	320	132
AL	GQ	6,137,269	10/24/00	Champlin	320	150

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	GR DE 29 26 716 B1	1/15/81	Germany			X
AL	GS 0 022 450 A1	1/21/81	EPO			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	GT	"Performance of Dry Cells", by C. Hambuechen, Preprint of Am. Electrochem. Soc., April 18-20, 1912, paper No. 19, pgs. 1-5.
AL	GU	"A Bridge for Measuring Storage Battery Resistance", by E. Willihncanz, The Electrochemical Society, preprint 79-20, April 1941, pgs. 253-258.

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	GV	3,562,634	2/9/71	Latner	31	04
	GW	4,379,990	4/12/83	Sievers et al.	322	99
	GX	5,144,218	9/1/92	Bosscha	320	44
	GY	5,315,287	5/24/94	Sol	340	455
	GZ	5,469,043	11/21/95	Cherng et al.	320	31
	HA	5,546,317	8/13/96	Andrieu	364	481
	HB	5,583,416	12/10/96	Klang	320	22
	HC	5,589,757	12/31/96	Klang	320	22
	HD	5,656,920	8/12/97	Cherng et al.	320	31
	HE	5,710,503	1/20/98	Sideris et al.	320	6
	HF	5,760,587	6/2/98	Harvey	324	434
	HG	5,808,469	9/15/98	Kopera	324	43.4
	HH	6,008,652	12/28/99	Theofanopoulos et al.	324	434
	HI	6,009,369	12/28/99	Boisvert et al.	701	99
	HJ	6,031,354	2/29/00	Wiley et al.	320	116
	HK	6,037,751	3/14/00	Klang	320	160
	HL	6,072,299	6/6/00	Kurie et al.	320	112
	HM	6,094,033	7/25/00	Ding et al.	320	132
	HN	6,163,156	12/19/00	Bertness	324	426
	HO	6,172,483	1/9/01	Champlin	320	134
AL	HP	6,172,505	1/9/01	Bertness	324	430

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	HQ	2 749 397	12/5/97	France			X
AL	HR	59215674	12/5/84	Japan			Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	HT	3,989,544	11/2/76	Santo	429	65
	HU	4,745,349	5/17/88	Palanisamy et al.	320	22
	HV	4,876,495	10/24/89	Palanisamy et al.	320	18
	HW	4,937,528	6/26/90	Palanisamy	324	430
	HX	4,968,942	11/6/90	Palanisamy	324	430
	HY	5,179,335	1/12/93	Nor	320	21
	HZ	5,266,880	11/30/93	Newland	320	14
	IA	5,451,881	9/19/95	Finger	324	433
	IB	5,705,929	1/6/98	Caravello et al.	324	430
	IC	5,717,937	2/10/98	Fritz	395	750.01
	ID	5,862,515	1/19/99	Kobayashi et al.	702	63
	IE	5,895,440	4/20/99	Proctor et al.	702	63
	IF	5,929,609	7/27/99	Joy et al.	322	25
	IG	6,072,300	6/6/00	Tsuji	320	116
	IH	4,659,977	4/21/87	Kissel et al.	320	64
	II	4,913,116	4/3/90	Katogi et al.	123	425
	IJ	5,160,881	11/3/92	Schramm et al.	322	7
	IK	5,338,515	8/16/94	Dalla Betta et al.	422	95
	IL	5,537,967	7/23/96	Tashiro et al.	123	792.1
	IM	5,548,273	8/20/96	Nicol et al.	340	439
AL	IN	5,747,909	5/5/98	Syverson et al.	310	156

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	IO	62-180284	8/7/87	Japan		Abstract
AL	IP	7-128414	5/19/95	Japan		Abstract

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER: <i>A. La</i>	DATE CONSIDERED: <i>9/19/05</i>

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	IR	6,114,834	9/5/00	Parise	320	109
	IS	6,150,793	11/21/00	Lesesky et al.	320	104
	IT	3,876,931	4/8/75	Godshalk	324	29.5
	IU	5,347,163	9/13/94	Yoshimura	307	66
	IV	5,939,861	8/17/99	Joko et al.		
	IW	5,339,018	8/16/94	Brokaw	320	35
	IX	5,412,323	5/2/95	Kato et al.	324	429
	IY	5,426,416	6/20/95	Jefferies et al.	340	664
	IZ	5,825,174	10/20/98	Parker	324	106
	JA	5,939,855	8/17/99	Proctor et al.	320	104
	JB	5,254,952	10/19/93	Salley et al.	324	429
	JC	4,217,645	8/12/80	Barry et al.	364	483
	JD	4,633,418	12/30/86	Bishop	364	554
	JE	5,321,626	6/14/94	Palladino	364	483
	JF	5,969,625	10/19/99	Russo	340	636
	JG	6,222,369	4/24/01	Champlin	324	430
	JH	6,225,808	5/1/01	Varghese et al.	324	426
	JI	6,249,124	6/19/01	Bertness	324	426
	JJ	6,259,254	7/10/01	Klang	324	427
	JK	6,262,563	7/17/01	Champlin	320	134
	JL	6,294,896	9/25/01	Champlin	320	134
AL	JM	6,294,897	9/25/01	Champlin	320	153

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	JN	4-8636	1/13/92	Japan		X (Abstract)
AL	JO	63027776	2/5/88	Japan		Abstract Only

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	JP 4,379,989	4/12/83	Kurz et al.	320	26	
	JQ 4,680,528	7/14/87	Mikami et al.	320	32	
	JR 5,633,985	5/27/97	Severson et al.	395	2.76	
	JS 5,739,667	4/14/98	Matsuda et al.	320	5	
	JT 4,024,953	5/1977	Nailor, III	206	344	
	JU 6,250,973	6/2001	Lowery et al.	439	763	
	JV 6,254,438	7/2001	Gaunt	439	755	
	JW 6,304,087	10/16/01	Bertness	324	426	
	JX 6,310,481	10/30/01	Bertness	324	430	
	JY 6,313,607	11/6/01	Champlin	320	132	
	JZ 6,313,608	11/6/01	Varghese et al.	32	132	
	KA 6,316,914	11/13/01	Bertness	320	134	
	KB 5,435,185	7/25/95	Eagan	73	587	
	KC 5,445,026	8/29/95	Eagan	73	591	
	KD 4,667,143	5/19/87	Cooper et al.	320	22	
	KE 4,847,547	7/11/89	Eng, Jr. et al.	320	35	
	KF 5,574,355	11/12/96	McShane et al.	320	39	
AL	KG 4,663,580	5/5/87	Wortman	320	35	

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL KH	WO 99/23738	5/14/99	WIPO			X
AL KI	WO 94/05069	3/3/94	PCT			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL KJ	National Semiconductor Corporation, "High Q Notch Filter", 3/69, Linear Brief 5, March 1969.
KK	Burr-Brown Corporation, "Design A 60 Hz Notch Filter with the UAF42", 1/94, AB-071, 1994.
AL KL	National Semiconductor Corporation, "LMF90-4 <sup>th</sup> -Order Elliptic Notch Filter", 12/94, RRD-B30M115, December 1994.

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	KM	6,323,650	11/27/01	Bertness et al.	324	426
	KN	6,329,793	12/11/01	Bertness et al.	320	132
	KO	6,331,762	12/18/01	Bertness	320	134
	KP	6,332,113	12/18/01	Bertness	702	63
	KQ	4,297,639	10/27/81	Branham	324	429
	KR	5,653,659	8/5/97	Kunibe et al.	477	111
	KS	6,161,640	12/19/00	Yamaguchi	180	65.8
	KT	4,351,405	6/28/82	Fields et al.	180	65
	KU	6,359,441	3/16/02	Bertness	324	426
	KV	4,047,091	9/1997	Hutchines et al.	363	59
	KW	5,653,659	8/1997	Kunibe et al.	477	111
	KX	5,637,978	6/1997	Kellett et al.	320	2
	KY	5,095,223	3/1992	Thomas	307	110
	KZ	5,194,799	3/1993	Tomantschger	320	2
AL	LA	5,754,417	5/1998	Nicollini	363	60
AL	LB					

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
LC						
LD						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	LE	"Alligator Clips with Wire Penetrators" J.S. Popper, Inc. product information, downloaded from <a href="http://www.jspopper.com/">http://www.jspopper.com/</a> , undated
	LF	"#12: LM78S40 Simple Switcher DC to DC Converter", ITM e-Catalog, downloaded from <a href="http://www.pcbcafe.com">http://www.pcbcafe.com</a> , undated
AL	LG	"Simple DC-DC Converts Allows Use of Single Battery", Electronix Express, downloaded from <a href="http://www.elexp.com/t_dc-dc.htm">http://www.elexp.com/t_dc-dc.htm</a> , undated

EXAMINER:

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	LH	5,818,234	10/1998	McKinnon	324	433
	LI	6,140,797	10/2000	Dunn	320	105
	LJ	6,181,545	1/2001	Amatucci et al.	361	502
	LK	6,346,795	2/2002	Haraguchi et al.	320	136
	LM	6,347,958	2/2002	Tsai	439	488
	LN	6,351,102	2/26/02	Troy	320	139
	LO	6,359,441	3/19/02	Bertness	324	426
	LP	6,363,303	3/26/02	Bertness	701	29
	LQ	5,037,778	8/6/91	Stark et al.	437	216
	LR	6,144,185	11/7/00	Dougherty et al.	320	132
	LS	5,711,648	1/27/98	Hammerslag	414	786
	LT	5,927,938	7/27/99	Hammerslag	414	809
	LU	5,951,229	9/14/99	Hammerslag	414	398
	LV	5,961,561	10/5/99	Wakefield, II	701	29
	LW	5,961,604	10/5/99	Anderson et al.	709	229
	LX	6,236,332	5/22/01	Conkright et al.	340	825.06
	LY	6,351,102	2/26/02	Troy	320	139
	LZ	5,821,757	10/13/98	Alvarez et al.	324	434
AL	MA	6,167,349	12/26/00	Alvarez	702	63

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
MB						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	MC	"DC-DC Converter Basics", Power Designers, downloaded from <a href="http://www.powederdesigners.com/InforWeb.design_center/articles/DC-DC/converter.shtm">http://www.powederdesigners.com/InforWeb.design_center/articles/DC-DC/converter.shtm</a> , undated
	MD	

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AC	ME	4,665,370	5/1987	Holland	324	429
	MF	4,361,809	11/1982	Bil et al.	324	426
	MG	6,392,414	5/21/02	Bertness	324	429
	MH	6,417,669	7/9/02	Champlin	324	426
	MI	6,424,158	7/23/02	Klang	324	433
	MJ	6,441,585	8/17/02	Bertness	320	132
	MK	6,445,158	9/3/02	Bertness et al.	320	104
	ML	6,384,608	5/7/02	Namaky	324	425
	MM	6,388,448	5/14/02	Cervas	324	426
	MN	6,307,349	10/23/01	Koenck et al.	320	112
	MO	6,411,098	6/25/02	Laletin	324	436
	MP	6,456,045	9/24/02	Troy et al.	320	139
	MQ	6,466,025	10/15/02	Klang	324	429
	MR	6,466,026	10/15/02	Champlin	324	430
	MS	4,564,798	1/14/86	Young	320	6
	MT	5,563,496	10/8/96	McClure	320	48
AL	MU	5,796,239	8/18/98	van Phuoc et al.	320	107

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	MV	RU 2089015-C1	8/27/97	Russia		Abstract Only
	MW	09061505	3/7/97	Japan		Abstract Only
AL	MX	10056744	2/24/98	Japan		Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	MY	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US02/29461.
AL	MZ	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/07546.

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U.S. PATENT DOCUMENTS

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AC	NA	4,888,716	12/19/89	Ueno	364	550
	NB	6,495,990 B2	12/17/02	Champlin	320	132
	NC	4,385,269	5/24/83	Aspinwall et al.	320	14
	ND	4,686,442	8/11/87	Radomski	320	17
	NE	6,061,638	5/9/00	Joyce	702	63
	NF	6,359,442	3/19/02	Henningson et al.	324	426
	NG	5,541,489	7/30/96	Dunstan	320	2
	NH	6,424,157	7/23/02	Gollomp et al.	324	430
	NI	6,534,993	3/18/03	Bertness	324	433
	NJ	6,544,078	4/8/03	Palmisano et al.	439	762
	NK	6,556,019	4/29/03	Bertness	324	426
	NL	6,566,883	5/20/03	Vonderhaar et al.	324	426
	NM	6,586,941	7/1/03	Bertness et al.	324	426
	NN	6,597,150	7/22/03	Bertness et al.	320	104
	NO	2002/0171428	11/21/02	Bertness	324	426
AL	NP	6,263,268	7/17/01	Nathanson	701	29

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	NQ	WO 00/67359	11/9/00	WIPO		X
	NR	WO 01/51947	7/19/01	WIPO		X
	NS	WO 98/04910	2/5/98	WIPO		X
AL	NT	WO 00/62049	10/19/00	WIPO		X
	NU					
	NV					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	NW	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/06577.
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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	OA	5,410,754	4/1995	Klotzbach et al.	370	85.13
	OB	5,654,623	8/1997	Shiga et al.	320	48
	OC	6,055,468	4/2000	Kaman et al.	701	29
	OD	2003/0025481	2/2003	Bertness	320	155
	OE	5,313,152	5/1994	Wozniak et al.	320	118
	OF	2003/0184306	10/2003	Bertness et al.	324	426
	OG	2004/0000891	1/2004	Raichle et al.	320	107
	OH	3,750,011	7/1973	Kreps	324	29.5
	OI	5,159,272	10/1992	Rao et al.	324	429
	OJ	5,325,041	6/1994	Briggs	320	44
	OK	6,526,361	2/2003	Jones et al.	702	63
	OL	6,667,624	12/2003	Raichle et al.	324	522
	OM	2002/0010558	1/24/02	Bertness et al.	702	63
	ON	2002/0176010	11/28/02	Wallach et al.	348	229.1
	OO	3,652,341	3/28/1972	Halsall et al.	136	176
AL	OP	5,747,967	5/5/1998	Muljadi et al.	320	39

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL	OQ	JP 11103503 A	4/1999	Japan			X (Abstract)
	OR	WO 01/59443	2/9/01	WIPO			X
AL	OS	GB 2 246 916 A	10/8/90	Great Britian			
	OT						
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	OW	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/07837.
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	Atty. Docket No.: C382.12-0149	Serial No.: 10/823,140
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Kevin I. Bertness	
	Filing Date	Group Art:
	April 13, 2004	2632

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	OA	6,628,011	9/30/03	Droppo et al.	307	43
	OB	5,780,980	7/14/98	Naito	318	139
	OC	5,412,308	5/2/95	Brown	323	267
	OD	6,222,342	4/24/01	Eggert et al.	320	105
	OE	6,679,212	1/20/04	Kelling	123	179.28
	OF	5,850,113	12/15/98	Weimer et al.	307	125
	OG	6,242,887	6/5/01	Burke	320	104
	OH	6,238,253	5/29/01	Qualls	439	759
	OI	4,056,764	11/1/77	Endo et al.	320	3
	OJ	6,005,759	12/21/99	Hart et al.	361	66
	OK	6,064,372	5/16/00	Kahkoska	345	173
	OL	5,323,337	6/21/94	Wilson et al.	364	574
	OM	5,978,805	11/2/99	Carson	707	10
	ON	6,600,815	7/29/03	Walding	379	93.07
	OO	4,933,845	6/12/90	Hayes	364	200
AL	OP	6,618,644	9/9/03	Bean	700	231

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	OA	5,982,138	11/9/99	Krieger	320	105
	OB	4,620,767	11/4/86	Woolf	339	255
	OC	4,934,957	6/19/90	Bellusci	439	504
	OD	5,772,468	6/30/98	Kowalski et al.	439	506
	OE	5,108,320	4/28/92	Kimber	439	883
	OF	5,453,027	9/26/95	Buell et al.	439	433
	OG	5,865,638	2/2/99	Trafton	439	288
	OH	3,796,124	3/12/74	Crosa	85	36
	OI	4,280,457	7/28/81	Bloxham	123	198
	OJ	4,160,916	7/10/79	Papasideris	307	10
	OK	6,356,042	3/12/02	Kahlon et al.	318	138
	OL	6,259,170	7/10/01	Limoge et al.	307	10.8
	OM	6,081,109	6/27/00	Seymour et al.	324	127
	ON	6,031,368	2/29/00	Klippel et al.	324	133
	OO	6,211,651	4/3/01	Nemoto	320	133
AC	OP	6,046,514	4/4/00	Rouillard et al.	307	77

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	OW	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/41561.
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	Filing Date	Group Art:
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	OA	6,531,848	3/11/03	Chitsazan et al.	320	153
	OB	4,023,882	5/17/77	Pettersson	339	96
	OC	2,000,665	5/7/35	L.P. Neal	173	324
	OD	6,158,000	12/5/00	Collins	713	1
	OE	5,745,044	4/28/98	Hyatt, Jr. et al.	340	825.31
	OF	5,578,915	11/26/96	Crouch, Jr. et al.	320	48
	OG	5,592,094	1/7/97	Ichikawa	324	427
	OH	6,275,008	8/14/01	Arai et al.	320	132
	OI	5,872,453	2/15/99	Shimoyama et al.	324	431
	OJ	5,321,627	6/14/94	Reher	364	483
	OK	4,949,046	8/14/90	Seyfang	324	427
	OL	4,462,022	7/1984	Stolarczyk	340	506
	OM	4,993,059	2/1991	Smith et al.	379	39
	ON	5,594,740	1/1997	LaDue	379	59
	OO	5,805,063	9/1998	Kackman	340	539
	OP	5,942,984	8/1999	Toms et al.	340	825.07
	OQ	6,166,627	12/2000	Reeley	340	426
	OR	6,211,796	4/2001	Toms et al.	340	825.49
	OS	6,285,868	9/2001	LaDue	455	410
AL	OT	6,346,886	2/2002	De La Hueraga	340	573.1

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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AL	OV	"Notification of Transmittal of The International Search Report or the Declaration", PCT/US03/27696.
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	April 13, 2004	2632

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
Al	PA	6,396,438	5/2002	Seal	342	127
	PB	6,437,692	8/2002	Petite et al.	340	540
	PC	6,504,480	1/2003	Magnuson et al.	340	571
	PD	6,529,141	3/2003	Hanebeck et al.	340	988
	PE	6,542,076	4/2003	Joao	340	539
	PF	6,541,077	4/2003	Joao	340	539
	PG	6,549,130	4/2003	Joao	340	539
	PH	6,556,819	4/2003	Irvin	455	410
	PI	6,587,046	7/2003	Joao	340	539.14
	PJ	6,594,765	7/2003	Sherman et al.	713	202
	PK	6,607,136	8/2003	Atsmon et al.	235	492
	PL	6,609,656	8/2003	Elledge	235	382
AC	PM	6,614,350	9/2003	Lunsford et al.	340	572.1
	PN					
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## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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Sheet 1 of 2

FORM PTO-1449	Atty. Docket No.: C382.12-0149	Serial No.: 10/823,140
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Kevin I. Bertness	
	Filing Date	Group Art:
	April 13, 2004	2532 2634

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	AA	2002/0050163	5/2/02	Makhija et al.	73	116
	AB	2003/0184262	10/2/03	Makhija	320	130
	AC	2004/0000590	1/1/04	Raichle et al.	235	462.01
	AD	2004/0000891	1/1/04	Raichle et al.	320	107
	AE	2004/0000893	1/1/04	Raichle et al.	320	135
	AF	2004/0000913	1/1/04	Raichle et al.	324	426
	AG	2004/0000915	1/1/04	Raichle et al.	324	522
	AH	2004/0002824	1/1/04	Raichle et al.	702	63
	AI	2004/0002825	1/1/04	Raichle et al.	702	63
	AJ	2004/0002836	1/1/04	Raichle et al.	702	188
	AK	2004/0049361	3/11/04	Hamdan et al.	702	115
	AL	2004/0051533	3/18/04	Namaky	324	426
	AM	2004/0054503	3/18/04	Namaky	702	183
	AN	4,926,330	5/15/90	Abe et al.	364	424.03
	AO	4,949,046	8/14/90	Seyfang	324	427
	AP	5,321,627	6/14/94	Reher	364	483
	AQ	5,872,453	2/16/99	Shimoyama et al.	324	431
	AR	6,037,778	3/14/00	Makhija	324	433
	AS	6,061,638	5/9/00	Joyce	702	63
	AT	6,275,008	8/14/01	Arai et al.	320	132
	AU	6,359,442	3/19/02	Henningson et al.	324	426
	AV	6,384,608	5/7/02	Namaky	324	430
AL	AW	6,388,448	5/14/02	Cervas	324	426

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	April 13, 2004	<del>2632</del> 2626

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AL	BA	6,396,278	5/28/02	Makhija	324	402
	BB	6,570,385	5/27/03	Roberts et al.	324	378
	BC	6,629,054	9/30/03	Makhija et al.	702	113
AL	BD	D442,503	5/22/01	Lundbeck et al.	D10	77

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	BE	Notification of Transmittal of the International Search Report along with the Search Report for International Application No. PCT/US03/27696, filed September 4, 2003, date of mailing April 15, 2004
	BF	Operator's Manual for "Modular Computer Analyzer," SUN, Model MCA 3000, Table of Contents and pages 1-1 to 1-2; 2-1 to 2-19; 3-1 to 3-47; 4-1 to 4-27; 5-1 to 5-18; 6-1 to 6-16; 7-1 to 7-9; 8-1 to 8-5; 9-1 to 9-13; 10-1 to 10-10; 11-1 to 11-22; 12-1 to 12-33; 13-1 to 13-2; 14-1 to 14-13 (1991)
AL	BG	ALLEN TEST, Testproducts Division, "Programmed Training Course for 62-000 Series Smart Engine Analyzer," 2 page cover, Table of Contents, pages 1-207 (1984)
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